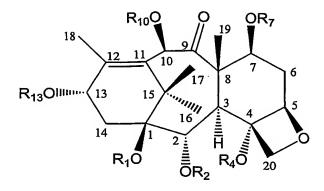
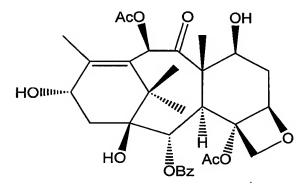
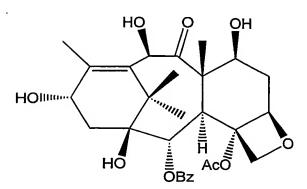
$$R_{AC}$$
 $R_{N}$ 
 $R_{10}$ 
 $R_{10}$ 

$$R_{AC}$$
 $R_{N}$ 
 $R_{10}$ 
 $R_$ 



# FIGURE 4





### FIGURE 7

 $\tilde{G}$ 

# FIGURE 9

# FIGURE 10

Crude Paclitaxel

P = H or protecting group

#### P = H or protecting group

Taxol A (Paclitaxel)

Taxol B (Cephalomannine)

Taxol C

Taxol D

Taxol E

Taxol F

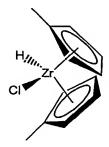
Taxol G

Docetaxel

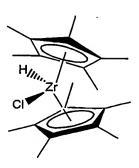
### FIGURE 16 cont'

7-Xylosyl, 10-deacetyltaxol A

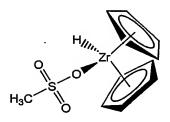
7-Xylosyl, 10-deacetyltaxol C



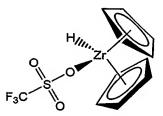
Bis(monomethylcyclopentadienyl) zirconium chloride hydride



Bis(pentamethylcyclopentadienyl) zirconium chloride hydride



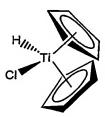
Bis(cyclopentadienyl) zirconium methylsufonate hydride



Bis(cyclopentadienyl) zirconium triflate hydride

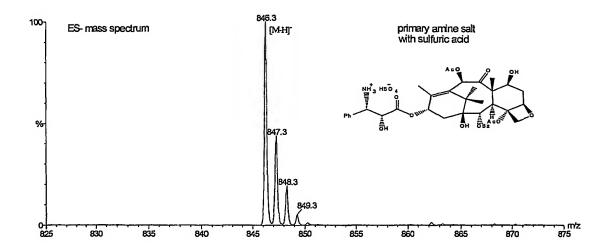


Bis(cyclopentadienyl) hafnium chloride hydride



Bis(cyclopentadienyl) titanium chloride hydride





#### FIGURE 19B

